

From: [Jay Field](#)
To: [PETERSON Jenn L](#)
Cc: [Burt Shephard/R10/USEPA/US@EPA](#); [Joe Goulet/R10/USEPA/US@EPA](#); [Jeremy Buck@fws.gov](#); [Pj.Bridgen@eilttd.net](#); [Robert Neely](#); [ANDERSON Michael R](#); [Eric Blischke/R10/USEPA/US@EPA](#); [OMEALY Mikell](#); [ANDERSON Jim M](#)
Subject: Re: Benthic Approach Meeting Agenda and Materials
Date: 09/30/2005 03:22 PM

Jennifer,
If we select three levels, I would prefer to have them cover more of a distribution than 1/17/25. If we selected 90/80/70 percent of control, based on the lowest of the either Hyalella survival or growth, we would be dividing the database into approximate quarters. If we decided to use only 2 levels, then 90 and 75 would be fine with me.

The probability of non-toxicity can be represented by 1-probability of toxicity.

Jay

PETERSON Jenn L wrote:

> Jay,
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>
> I had some more thoughts after our meeting. First, if we select three levels, would you rather we just add one in between the 10 (or 90) and the 25 (or 75) - like 17. This doesn't allow for as much separation, but it does have the advantage of using tox benchmarks that seem well established (you and Teresa have both used them). The alternative would be to do as we discussed on Tuesday (10, 20 and 30). Let me know what you think.
>
> I had another question on your graphs. Your plots showed probability of toxicity, but if we are interested in probability of a sample being "non-toxic", can we gather that from your graphs (is this just the inverse?) - or would the graphs look very different if you plotted probability of "non-toxicity"?
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> Let me know - we can discuss over the phone if you would like.
>
> Thanks for all your input at Tuesday's meeting-
>
> -Jennifer
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> -----Original Message-----
> From: Jay Field [mailto:Jay.Field@noaa.gov]
> Sent: Tue 9/27/2005 6:33 PM
> To: PETERSON Jenn L
> Cc: Shephard.Burt@epamail.epa.gov; Goulet.Joe@epamail.epa.gov; Jeremy_Buck@fws.gov; Pj.Bridgen@Envintl.Com; Robert Neely; ANDERSON Michael R; Blischke.Eric@epamail.epa.gov; OMEALY Mikell; ANDERSON Jim M
> Subject: Re: Benthic Approach Meeting Agenda and Materials
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>
> attached is the file I promised at the meeting today which includes the list of 209 chemicals (excluding PCB congeners, Aroclors, and conventionals), the number of samples analyzed for each chem, the number below detection, and the maximum below detection limit concentration. Please let me know if you have any questions.
> Jay
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> PS This analysis only looks at below detection limit values and does not address "N" qualified samples (so some detected values may be "N" qualified and also excluded according to the memo from Teresa).
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> PETERSON Jenn L wrote:
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> Hi All,
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> Attached is an agenda and some reading material for tomorrow's meeting. I have attached some memos from Teresa and ODEQ regarding reliability measures, as well as the power point presentation from the LWG from the last benthic meeting July 11, 2005. See you all tomorrow at 10:00.
>
> -Jennifer
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>
> <<Benthic Interpretive Approach_7_11_Draft_Final.ppt>> <<DEQ reliability.doc>> <<PH Eco FPM memo.doc>> <<Sept26_05_BenthicMeetingAgenda.doc>>
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